

### **Amendments to the Claims**

Amendments to the claims are reflected in the following Listing of Claims and replaces all prior versions and listings of claims in the application.

### **Listing of Claims**

1. (original) A method for evaluating a pharmaceutical composition comprising a drug, said method comprising:

- (1) providing a microporous membrane having a plurality of pores, said membrane having a hydrophilic feed side and a permeate side, wherein said feed side of said membrane is in fluid communication with a feed solution, and wherein said permeate side of said membrane is in fluid communication with a permeate solution;
- (2) administering said pharmaceutical composition to an aqueous solution to form said feed solution; and
- (3) measuring the concentration of said drug in said permeate solution.

2. (original) A method for evaluating a pharmaceutical composition comprising a drug, said method comprising:

- (1 ) providing a microporous membrane having a plurality of pores, said membrane having a feed side and a permeate side, wherein said feed side of said membrane is in fluid communication with a feed solution, and wherein

said permeate side of said membrane is in fluid communication with a permeate solution;

(2) administering said pharmaceutical composition to an aqueous solution to form said feed solution; and

(3) measuring the concentration of said drug in said permeate solution;

wherein said permeate solution comprises an organic fluid.

3. (original) The method of claim 1 wherein said permeate solution comprises an organic fluid.

4. (original) The method of claim 3 wherein said organic fluid is substantially immiscible with water.

5. (currently amended) The method of any ~~one~~ of claims 1-3 wherein said pores have a nominal size of about 0.02  $\mu\text{m}$  to about 0.5  $\mu\text{m}$ .

6. (currently amended) The method of ~~claims~~ claim 1 or 3 wherein said permeate side of said microporous membrane has a contact angle for a drop of water of greater than about 90° and said feed side of said microporous membrane has a contact angle for a drop of water of less than about 70°.

7. (canceled)

8. (currently amended) The method of ~~claims~~ claim 2 or 3 wherein said drug has a partition coefficient between said organic fluid and water of at least 5.

9. (currently amended) The method of ~~claims~~ claim 2 or 3 wherein said organic fluid is selected from the group consisting of alkanes, alkenes, alcohols, ethers, ketones, aromatics, alkyl halides, and mixtures thereof.

10. (canceled)

11. (currently amended) The method of ~~claims~~ claim 2 or 3 wherein said organic fluid comprises a mixture of at least one alkane having from 8 to 12 carbon atoms and at least one alcohol having from 8 to 12 carbon atoms.

12. (currently amended) The method of any ~~one~~ of claims 1-3 wherein said aqueous solution is selected from the group consisting of phosphate buffered saline, simulated intestinal buffer without enzymes, a model fasted duodenal solution, and a solution to model the fed state.

13. (currently amended) The method of any ~~one~~ of claims 1-3 wherein said drug is a low- solubility drug.

14. (currently amended) A device for performing the method of ~~any one of~~ ~~claims~~ claim 1 ~~to 13~~ or 2, said device comprising

(1 ) a feed reservoir for containing a feed solution,

(2) a permeate reservoir for containing a permeate solution, and

(3) a hydrophobic microporous membrane having a hydrophilic feed side and a permeate side,

wherein said membrane separates said feed reservoir from said permeate reservoir.

15. (currently amended) A multi-well plate for performing the method of ~~any~~  
~~one of claims~~ claim 1 to 4 or 2, said multi-well plate comprising (1) a filter plate, and (2) an  
acceptor plate, wherein said filter plate has a plurality of filter wells, and said acceptor plate has  
a plurality of acceptor wells, wherein said filter wells fit into said acceptor wells, and wherein the  
bottom of said filter wells comprises a hydrophobic microporous membrane having a plurality of  
pores, said membrane having a hydrophilic feed side and a permeate side.